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FAX TRANSMISSION

Upstream Research Co.

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DATE: October 19, 2007

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RECEIVED IN THE UNITED STATES PATENT AND TRADEMARK OFFICEUS PATENT APPLICATION NO.: 10/586,373 filed on July 14, 2006ATTORNEY DOCKET NO.: 2004UR007INVENTOR(S): Max Deffenbaugh et al.TITLE: Method for Constructing a Geologic Model of a Subsurface Reservoir**ENCLOSED:**

Transmittal Form.....[1 page(s)]
Response to First Office Action[15 page(s)]

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PTO/SB/21 (09-04)

Approved for use through 07/31/2008. OMB 0651-0031

Patent and Trademark Office: US DEPARTMENT OF COMMERCE

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TRANSMITTAL FORM (to be used for all correspondence after initial filing)	Application Number	10/586,373
	Filing Date	July 14, 2006
	First Named Inventor	Max Deffenbaugh et al.
	Group Art Unit	2123
	Examiner Name	Russell L. Guill
Total number of pages in this submission	Attorney Docket Number	2004UR007

ENCLOSURES (check all that apply)		
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SIGNATURE OF APPLICANT, ATTORNEY OR AGENT	
Firm or Individual Name	J. Paul Plummer, Reg. No. 40,775 ExxonMobil Upstream Research Company
Signature	<i>J. Paul Plummer</i>
Date	19 October 2007

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Date	19 October 2007

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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Application No. : 10/586,373 Confirmation No.: 4094
Applicant : Max Deffenbaugh
Filed : July 14, 2006
TC/Art Unit : 2123
Examiner : Russell L. Guill
Docket No. : 2004UR007

Mail Stop Amendment
Commissioner for Patents
P. O. Box 1450
Alexandria, VA 22313-1450

Via Facsimile: 8.1.571.273.8300

RESPONSE TO FIRST OFFICE ACTION

Sir:

This communication is in response to the Office Action mailed July 19, 2007 concerning the above identified patent application.

Remarks begin on page 2 of this paper;

Amendments to the Claims begins on page 7 of this paper;

Conclusion begins on page 15 of this paper.